

DATA / SPECIFICATION SHEET

# NOVUS 34

## DESCRIPTION

Novus 34 is a superior performance universal compressed sheet material based on a blend of aramid/inorganic fibres and special additives, with a high quality nitrile rubber binder system.

## SERVICE

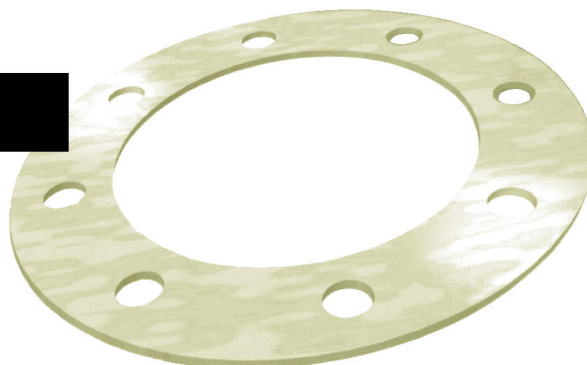
A superior performance material with excellent mechanical properties, it is suitable for many applications including oils, solvents, high pressure steam and gases including oxygen.

## APPROVALS / COMPLIANCE

DIN-DVGW (Gas Industry) NG-5123 AR0822  
 WRAS Potable Water  
 BAM (Oxygen service) up to 90°C and 160 bar  
 Independently tested to Shell specification MF 94-0960  
 Complies with BS Specification 7531 Grade X  
 TA-LUFT (in accordance with VDI Guideline 2440)

## AVAILABILITY

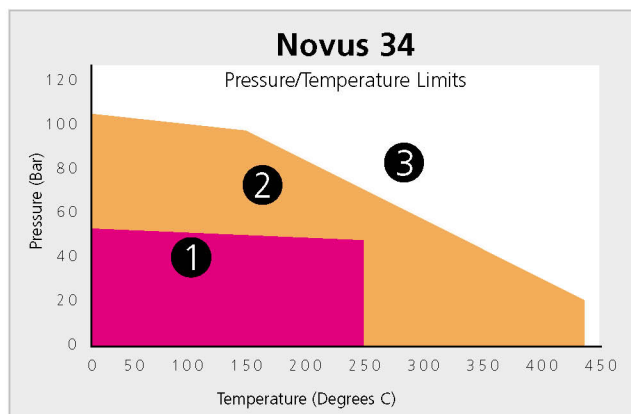
Thickness range = 0.25mm to 6.0mm  
 Standard sheet sizes = 2.0m x 2.0m, 2.0m x 1.5m,  
 2.0m x 1.0m, 1.5m x 1.5m, 1.5m x 1.0m.  
 Standard roll sizes = up to a maximum size of 6.0m X 2.0m  
 Available with fine mesh mild steel reinforcement: Novus 34  
 Metallic or gauze mild steel wire reinforcement: Novus 34 GWI  
 Can also be supplied with anti-stick and graphite coating.



Colour - White

## TYPICAL PHYSICAL PROPERTIES

Thickness		1.5mm
Density		1.75g/cc
Tensile Strength	ASTM F152	15MPa
Compression	ASTM F36	9%
Recovery	ASTM F36	55%min
Residual Stress	BS7531 (300°C)	26MPa
	DIN 52913	32 MPa
Gas Leakage	BS 7531	<1.0cc/min
ASTM Oil 1	Thickness Increase	1.0%
IRM 903 Oil	Thickness Increase	2.5%
ASTM Fuel B	Thickness Increase	3.0%



- 1 Suitable subject to chemical compatibility
- 2 Suitable in some cases but check your application requirements with Novus
- 3 Contact the Novus Technical Team for applications with higher temperatures and pressures. Applicable to 1.5mm and below.

The operating temperature of non-asbestos sheet material is related to the thickness of materials selected. Thinner materials give better temperature and pressure properties.

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